



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops	Character of Storm
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LAKE ERIE

LEZ146	Avon Point To Willowick Oh							
Avon Point to Willowick	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border							
Avon Point to Willowick	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ163	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border							
Reno Beach to The Islands	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ164	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border							
The Islands to Vermilion	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border							
Vermilion to Avon Point	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ142	Maumee Bay To Reno Beach Oh							
Maumee Bay to Reno Beach	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ143	Reno Beach To The Islands Oh							
Reno Beach to The Islands	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ144	The Islands To Vermilion Oh							
The Islands to Vermilion	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ145	Vermilion To Avon Point Oh							
Vermilion to Avon Point	04	1200EST 1400EST			0	0		Marine Tstm Wind (EG35)

A line of strong thunderstorms moved quickly east across Lake Erie and produced wind gusts in excess of 35 knots

LEZ146	Avon Point To Willowick Oh							
Avon Point to Willowick	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border							
Avon Point to Willowick	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ163	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border							
Reno Beach to The Islands	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ164	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border							
The Islands to Vermilion	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border							
Vermilion to Avon Point	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border							
Willowick to Geneva-On-The-Lake	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ143	Reno Beach To The Islands Oh							
Reno Beach to The Islands	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ144	The Islands To Vermilion Oh							
The Islands to Vermilion	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ145	Vermilion To Avon Point Oh							
Vermilion to Avon Point	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)



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LAKE ERIE

LEZ147	Willowick To Geneva On The Lake Oh							
Willowick to Geneva-On-The-Lake	04	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
A line of strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.								
LEZ146	Avon Point To Willowick Oh							
Avon Point to Willowick	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
LEZ149	Conneaut Oh To Ripley Ny							
Ripley Ny	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
LEZ148	Geneva On The Lake Oh To Conneaut Oh							
Geneva-On-The-Lake to Conneaut	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border							
Avon Point to Willowick	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
LEZ169	Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border							
Conneaut to Ripley Ny	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
LEZ168	Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border							
Geneva-On-The-Lake to Conneaut	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border							
Willowick to Geneva-On-The-Lake	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
LEZ147	Willowick To Geneva On The Lake Oh							
Willowick to Geneva-On-The-Lake	04	1515EST 1645EST			0	0		Marine Tstm Wind (EG35)
A line of strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.								
LEZ146	Avon Point To Willowick Oh							
Avon Point to Willowick	05	1100EST 1215EST			0	0		Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border							
Avon Point to Willowick	05	1100EST 1215EST			0	0		Marine Tstm Wind (EG35)
LEZ164	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border							
The Islands to Vermilion	05	1100EST 1215EST			0	0		Marine Tstm Wind (EG35)
LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border							
Vermilion to Avon Point	05	1100EST 1215EST			0	0		Marine Tstm Wind (EG35)
LEZ144	The Islands To Vermilion Oh							
The Islands to Vermilion	05	1100EST 1215EST			0	0		Marine Tstm Wind (EG35)
LEZ145	Vermilion To Avon Point Oh							
Vermilion to Avon Point	05	1100EST 1215EST			0	0		Marine Tstm Wind (EG35)
Thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.								
LEZ146	Avon Point To Willowick Oh							
Avon Point to Willowick	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border							
Avon Point to	07	1230EST			0	0		Marine Tstm Wind (EG35)



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LAKE ERIE								
Willowick		1400EST						
LEZ162	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border							
Maumee Bay to Reno Beach	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ163	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border							
Reno Beach to The Islands	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ164	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border							
The Islands to Vermilion	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border							
Vermilion to Avon Point	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ142	Maumee Bay To Reno Beach Oh							
Maumee Bay to Reno Beach	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ143	Reno Beach To The Islands Oh							
Reno Beach to The Islands	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ144	The Islands To Vermilion Oh							
The Islands to Vermilion	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
LEZ145	Vermilion To Avon Point Oh							
Vermilion to Avon Point	07	1230EST 1400EST			0	0		Marine Tstm Wind (EG35)
A line of strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.								
LEZ146	Avon Point To Willowick Oh							
Avon Point to Willowick	07	2015EST 2145EST			0	0		Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border							
Avon Point to Willowick	07	2015EST 2145EST			0	0		Marine Tstm Wind (EG35)
LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border							
Vermilion to Avon Point	07	2015EST 2145EST			0	0		Marine Tstm Wind (EG35)
LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border							
Willowick to Geneva-On-The-Lake	07	2015EST 2145EST			0	0		Marine Tstm Wind (EG35)
LEZ145	Vermilion To Avon Point Oh							
Vermilion to Avon Point	07	2015EST 2145EST			0	0		Marine Tstm Wind (EG35)
LEZ147	Willowick To Geneva On The Lake Oh							
Willowick to Geneva-On-The-Lake	07	2015EST 2145EST			0	0		Marine Tstm Wind (EG35)
Strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.								
LEZ162	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border							
Maumee Bay to Reno Beach	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)
LEZ163	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border							
Reno Beach to The Islands	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)
LEZ164	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border							
The Islands to Vermilion	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)



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LAKE ERIE

LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border							
Vermilion to Avon Point	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)
LEZ142	Maumee Bay To Reno Beach Oh							
Maumee Bay to Reno Beach	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)
LEZ143	Reno Beach To The Islands Oh							
Reno Beach to The Islands	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)
LEZ144	The Islands To Vermilion Oh							
The Islands to Vermilion	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)
LEZ145	Vermilion To Avon Point Oh							
Vermilion to Avon Point	08	0320EST 0500EST			0	0		Marine Tstm Wind (EG35)

A line of strong to severe thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ146	Avon Point To Willowick Oh							
Avon Point to Willowick	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)
LEZ149	Conneaut Oh To Ripley Ny							
Ripley Ny	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)
LEZ148	Geneva On The Lake Oh To Conneaut Oh							
Geneva-On-The-Lake to Conneaut	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border							
Avon Point to Willowick	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)
LEZ169	Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border							
Conneaut to Ripley Ny	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)
LEZ168	Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border							
Geneva-On-The-Lake to Conneaut	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)
LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border							
Willowick to Geneva-On-The-Lake	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)
LEZ147	Willowick To Geneva On The Lake Oh							
Willowick to Geneva-On-The-Lake	08	0400EST 0530EST			0	0		Marine Tstm Wind (EG35)

A line of strong to severe thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ162	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border							
Maumee Bay to Reno Beach	08	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ163	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border							
Reno Beach to The Islands	08	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ164	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border							
The Islands	08	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)
LEZ142	Maumee Bay To Reno Beach Oh							
Maumee Bay to Reno Beach	08	1400EST 1530EST			0	0		Marine Tstm Wind (EG35)



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LAKE ERIE

LEZ143 Reno Beach to The Islands	Reno Beach To The Islands Oh 08 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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LEZ144 The Islands to Vermilion	The Islands To Vermilion Oh 08 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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A line of strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ165 Vermilion to Avon Point	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border 10 1120EST 1210EST	0	0	Marine Tstm Wind (EG35)
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LEZ144 The Islands to Vermilion	The Islands To Vermilion Oh 10 1120EST 1210EST	0	0	Marine Tstm Wind (EG35)
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LEZ145 Vermilion to Avon Point	Vermilion To Avon Point Oh 10 1120EST 1210EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved north across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ146 Avon Point to Willowick	Avon Point To Willowick Oh 10 1200EST 1330EST	0	0	Marine Tstm Wind (EG35)
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LEZ166 Avon Point to Willowick	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border 10 1200EST 1330EST	0	0	Marine Tstm Wind (EG35)
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LEZ167 Willowick to Geneva-On-The-Lake	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border 10 1200EST 1330EST	0	0	Marine Tstm Wind (EG35)
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LEZ147 Willowick to Geneva-On-The-Lake	Willowick To Geneva On The Lake Oh 10 1200EST 1330EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved quickly northeast across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ146 Avon Point to Willowick	Avon Point To Willowick Oh 21 0115EST 0245EST	0	0	Marine Tstm Wind (EG35)
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LEZ148 Geneva-On-The-Lake to Conneaut	Geneva On The Lake Oh To Conneaut Oh 21 0115EST 0245EST	0	0	Marine Tstm Wind (EG35)
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LEZ166 Avon Point to Willowick	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border 21 0115EST 0245EST	0	0	Marine Tstm Wind (EG35)
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LEZ162 Maumee Bay to Reno Beach	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border 21 0115EST 0245EST	0	0	Marine Tstm Wind (EG35)
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LEZ168 Geneva-On-The-Lake to Conneaut	Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border 21 0115EST 0245EST	0	0	Marine Tstm Wind (EG35)
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LEZ163 Reno Beach to The Islands	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border 21 0115EST 0245EST	0	0	Marine Tstm Wind (EG35)
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LEZ164 The Islands to Vermilion	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border 21 0115EST 0245EST	0	0	Marine Tstm Wind (EG35)
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LAKE ERIE

LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border								
Vermilion to Avon Point	21	0115EST 0245EST			0	0			Marine Tstm Wind (EG35)

LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border								
Willowick to Geneva-On-The-Lake	21	0115EST 0245EST			0	0			Marine Tstm Wind (EG35)

LEZ142	Maumee Bay To Reno Beach Oh								
Maumee Bay to Reno Beach	21	0115EST 0245EST			0	0			Marine Tstm Wind (EG35)

LEZ143	Reno Beach To The Islands Oh								
Reno Beach to The Islands	21	0115EST 0245EST			0	0			Marine Tstm Wind (EG35)

LEZ144	The Islands To Vermilion Oh								
The Islands to Vermilion	21	0115EST 0245EST			0	0			Marine Tstm Wind (EG35)

LEZ145	Vermilion To Avon Point Oh								
Vermilion to Avon Point	21	0115EST 0245EST			0	0			Marine Tstm Wind (EG35)

LEZ147	Willowick To Geneva On The Lake Oh								
Willowick to Geneva-On-The-Lake	21	0115EST 0245EST			0	0			Marine Tstm Wind (EG35)

Strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ146	Avon Point To Willowick Oh								
Avon Point to Willowick	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border								
Avon Point to Willowick	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

LEZ164	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border								
The Islands to Vermilion	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border								
Vermilion to Avon Point	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border								
Willowick to Geneva-On-The-Lake	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

LEZ144	The Islands To Vermilion Oh								
The Islands to Vermilion	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

LEZ145	Vermilion To Avon Point Oh								
Vermilion to Avon Point	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

LEZ147	Willowick To Geneva On The Lake Oh								
Willowick to Geneva-On-The-Lake	21	0430EST 0600EST			0	0			Marine Tstm Wind (EG35)

Strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border								
Avon Point to Willowick	21	1630EST 1815EST			0	0			Marine Tstm Wind (EG35)

LEZ163	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border								
Reno Beach to The Islands	21	1630EST 1815EST			0	0			Marine Tstm Wind (EG35)



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LAKE ERIE

LEZ164 The Islands to Vermilion	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border 21 1630EST 1815EST	0	0	Marine Tstm Wind (EG35)
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LEZ165 Vermilion to Avon Point	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border 21 1630EST 1815EST	0	0	Marine Tstm Wind (EG35)
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LEZ143 Reno Beach to The Islands	Reno Beach To The Islands Oh 21 1630EST 1815EST	0	0	Marine Tstm Wind (EG35)
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LEZ144 The Islands to Vermilion	The Islands To Vermilion Oh 21 1630EST 1815EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved northeast across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ162 Maumee Bay to Reno Beach	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border 21 1745EST 1915EST	0	0	Marine Tstm Wind (EG35)
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LEZ163 Reno Beach to The Islands	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border 21 1745EST 1915EST	0	0	Marine Tstm Wind (EG35)
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LEZ142 Maumee Bay to Reno Beach	Maumee Bay To Reno Beach Oh 21 1745EST 1915EST	0	0	Marine Tstm Wind (EG35)
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LEZ143 Reno Beach to The Islands	Reno Beach To The Islands Oh 21 1745EST 1915EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved east across the western basin of Lake Erie and produced wind gusts in excess of 35 knots.

LEZ163 Reno Beach to The Islands	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border 21 1900EST 2030EST	0	0	Marine Tstm Wind (EG35)
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LEZ164 The Islands to Vermilion	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border 21 1900EST 2030EST	0	0	Marine Tstm Wind (EG35)
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LEZ165 Vermilion to Avon Point	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border 21 1900EST 2030EST	0	0	Marine Tstm Wind (EG35)
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LEZ143 Reno Beach to The Islands	Reno Beach To The Islands Oh 21 1900EST 2030EST	0	0	Marine Tstm Wind (EG35)
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LEZ144 The Islands to Vermilion	The Islands To Vermilion Oh 21 1900EST 2030EST	0	0	Marine Tstm Wind (EG35)
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LEZ145 Vermilion to Avon Point	Vermilion To Avon Point Oh 21 1900EST 2030EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ146 Avon Point to Willowick	Avon Point To Willowick Oh 21 2000EST 2145EST	0	0	Marine Tstm Wind (EG35)
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LEZ166 Avon Point to Willowick	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border 21 2000EST 2145EST	0	0	Marine Tstm Wind (EG35)
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July 2003

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LAKE ERIE

LEZ165 Vermilion to Avon Point	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border 21 2000EST 2145EST	0	0	Marine Tstm Wind (EG35)
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LEZ167 Willowick to Geneva-On-The-Lake	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border 21 2000EST 2145EST	0	0	Marine Tstm Wind (EG35)
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LEZ145 Vermilion to Avon Point	Vermilion To Avon Point Oh 21 2000EST 2145EST	0	0	Marine Tstm Wind (EG35)
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LEZ147 Willowick to Geneva-On-The-Lake	Willowick To Geneva On The Lake Oh 21 2000EST 2145EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved east across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ149 Ripley Ny	Conneaut Oh To Ripley Ny 27 1130EST 1300EST	0	0	Marine Tstm Wind (EG35)
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LEZ169 Conneaut to Ripley Ny	Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border 27 1130EST 1300EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved southeast across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ146 Avon Point to Willowick	Avon Point To Willowick Oh 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ166 Avon Point to Willowick	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ162 Maumee Bay to Reno Beach	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ163 Reno Beach to The Islands	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ164 The Islands to Vermilion	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ165 Vermilion to Avon Point	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ167 Willowick to Geneva-On-The-Lake	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ142 Maumee Bay to Reno Beach	Maumee Bay To Reno Beach Oh 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ143 Reno Beach to The Islands	Reno Beach To The Islands Oh 27 1600EST 1730EST	0	0	Marine Tstm Wind (MG38)
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LEZ144 The Islands to Vermilion	The Islands To Vermilion Oh 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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LEZ147 Willowick to Geneva-On-The-Lake	Willowick To Geneva On The Lake Oh 27 1600EST 1730EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved east to southeast across Lake Erie and produced wind gusts in excess of 35 knots. A 38 knot gust was



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Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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LAKE ERIE

recorded at Camp Perry in Ottawa County.

LEZ146	Avon Point To Willowick Oh								
Avon Point to Willowick	27	1830EST 2000EST			0	0			Marine Tstm Wind (EG35)
LEZ166	Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border								
Avon Point to Willowick	27	1830EST 2000EST			0	0			Marine Tstm Wind (EG35)
LEZ165	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border								
Vermilion to Avon Point	27	1830EST 2000EST			0	0			Marine Tstm Wind (EG35)
LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border								
Willowick to Geneva-On-The-Lake	27	1830EST 2000EST			0	0			Marine Tstm Wind (EG35)
LEZ145	Vermilion To Avon Point Oh								
Vermilion to Avon Point	27	1830EST 2000EST			0	0			Marine Tstm Wind (EG35)
LEZ147	Willowick To Geneva On The Lake Oh								
Willowick to Geneva-On-The-Lake	27	1830EST 2000EST			0	0			Marine Tstm Wind (EG35)

Strong thunderstorms moved southeast across Lake Erie and produced wind gusts in excess of 35 knots.

LEZ149	Conneaut Oh To Ripley Ny								
Ripley Ny	31	1630EST 1800EST			0	0			Marine Tstm Wind (EG35)
LEZ148	Geneva On The Lake Oh To Conneaut Oh								
Geneva-On-The-Lake to Conneaut	31	1630EST 1800EST			0	0			Marine Tstm Wind (EG35)
LEZ169	Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border								
Conneaut to Ripley Ny	31	1630EST 1800EST			0	0			Marine Tstm Wind (EG35)
LEZ168	Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border								
Geneva-On-The-Lake to Conneaut	31	1630EST 1800EST			0	0			Marine Tstm Wind (EG35)
LEZ167	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border								
Willowick to Geneva-On-The-Lake	31	1630EST 1800EST			0	0			Marine Tstm Wind (EG35)
LEZ147	Willowick To Geneva On The Lake Oh								
Willowick to Geneva-On-The-Lake	31	1630EST 1800EST			0	0			Marine Tstm Wind (EG35)

Strong thunderstorms moved north across Lake Erie and produced wind gusts in excess of 35 knots.

OHIO, North

Wyandot County Countywide

01	2030EST 2300EST	0	0	100K	Flash Flood
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Thunderstorms dumped locally heavy rains on Wyandot County. Rainfall totals of two to three inches were reported. Widespread lowland and street flooding occurred. Several roads were briefly closed because of flooding.

Lucas County Sylvania to Toledo

04	1220EST 1237EST	0	0	35K	Thunderstorm Wind (EG50)
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Thunderstorm winds downed many trees and several power poles.



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Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>OHIO, North</u>							
Hancock County							
Countywide	04	1245EST 1310EST			0 0	40K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed many trees and at least two power poles across the county.
Sandusky County							
Countywide	04	1300EST 1315EST			0 0	25K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees and large limbs across the county.
Wood County							
Pemberville	04	1305EST			0 0	2K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a large tree.
Seneca County							
Tiffin to Fostoria	04	1315EST			0 0	5K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed trees in Tiffin and Fostoria.
Wyandot County							
Countywide	04	1315EST			0 0	5K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed two trees near Carey and a third in the southeastern corner of the county.
Erie County							
Sandusky	04	1326EST			0 0	50K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees. A home and building were damaged by fallen trees. A van was crushed by a tree.
Trumbull County							
Newton Falls	04	1340EST			0 0		Hail(0.75)
							Penny size hail was observed.
Trumbull County							
Newton Falls	04	1340EST			0 0	15K	Thunderstorm Wind (EG65)
							An estimated 75 mph thunderstorm wind gust was reported in Newton Falls. Several trees were downed.
Portage County							
Ravenna	04	1341EST			0 0		Hail(0.75)
							Penny size hail was observed.
Huron County							
Norwalk	04	1345EST 1400EST			0 0	10K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees and many large limbs.
Marion County							
Marion	04	1345EST			0 0	15K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees.
Seneca County							
Attica	04	1345EST			0 0	15K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees and large limbs.
Crawford County							
Galion	04	1400EST			0 0	4K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a few large tree limbs.
Crawford County							
Galion	04	1400EST			0 0	15K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees.



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Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
OHIO, North							
Huron County							
Norwalk	04	1400EST			0 0	125K	Thunderstorm Wind (EG50)
Thunderstorm winds downed dozens of trees and large limbs in and around Norwalk. At least four homes were damaged by trees.							
Lorain County							
Oberlin to Elyria	04	1405EST 1415EST			0 0	25K	Thunderstorm Wind (EG50)
Thunderstorm winds downed many trees and large limbs across the county. The Oberlin, Kipton and Elyria areas were especially hard hit. A barn was blown down in Eaton Township. A car was crushed by a tree in Elyria. A peak wind gust of 54 mph was measured at the Lorain County Airport near Elyria							
Mahoning County							
Austintown	04	1410EST			0 0	4K	Thunderstorm Wind (EG50)
Thunderstorm winds downed two trees.							
Lorain County							
Elyria	04	1415EST 1435EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several large tree limbs. A car was damaged by a limb on the west side of Elyria.							
Cuyahoga County							
North Olmsted	04	1425EST			0 0	15K	Thunderstorm Wind (EG50)
A 58 mph thunderstorm wind gust was reported. A few trees were downed.							
Lorain County							
Elyria	04	1425EST			0 0	2K	Hail(0.88)
Nickel size hail was observed.							
Richland County							
Countywide	04	1427EST 1449EST			0 0	30K	Thunderstorm Wind (EG50)
Thunderstorm winds downed trees across the county.							
Ashland County							
Ashland	04	1430EST			0 0	8K	Thunderstorm Wind (EG50)
Thunderstorm winds downed one tree and several large limbs.							
Ashland County							
Countywide	04	1430EST 1450EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed many trees and large limbs across the county.							
Geauga County							
Auburn Center	04	1430EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees in Auburn Township.							
Lorain County							
Amherst	04	1430EST			0 0	10K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees.							
Morrow County							
Johnsville	04	1430EST			0 0	10K	Thunderstorm Wind (EG50)
Thunderstorm winds downed a few large trees.							
Trumbull County							
Niles	04	1430EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees.							
Trumbull County							
Cortland	04	1437EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees.							



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Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>OHIO, North</u>							
Lorain County							
Eaton Estates	04	1440EST			0 0	50K	Thunderstorm Wind (EG50)
							Thunderstorm winds blew down a barn in Eaton Township.
Medina County							
Weymouth	04	1445EST 1500EST			0 0	25K	Thunderstorm Wind (EG50)
							Thunderstorm winds toppled around two dozen trees near Weymouth.
Geauga County							
Parkman	04	1452EST			0 0	30K	Thunderstorm Wind (EG50)
							Thunderstorm winds damaged a barn and downed one large tree.
Wayne County							
Apple Creek	04	1505EST			0 0	5K	Thunderstorm Wind (EG50)
							Thunderstorm winds toppled two very large trees.
Holmes County							
Killbuck	04	1515EST			0 0	8K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees.
Summit County							
Mogadore	04	1515EST			0 0	25K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a large tree which landed on a house and caused significant damage.
Portage County							
Countywide	04	1519EST 1544EST			0 0	100K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed over 30 trees in Paris Township, five trees in Hiram and scattered trees elsewhere across the county. A roof was torn off of a garage in Paris Township.
Knox County							
Danville	04	1523EST			0 0	25K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed many trees.
Portage County							
Hiram	04	1526EST			0 0	2K	Hail(0.88)
							Nickel size hail was observed.
Stark County							
Canton	04	1530EST			0 0	5K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed two large trees three miles southwest of Canton.
Stark County							
Waynesburg	04	1532EST			0 0	7K	Thunderstorm Wind (MG52)
							A 60 mph thunderstorm wind gust was measured. A few trees and large limbs were downed.
Mahoning County							
Lake Milton	04	1535EST			0 0	10K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees.
Cuyahoga County							
Westlake to Bay Vlg	06	1205EST 1210EST			0 0	25K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed three trees in Westlake and several more in Bay Village.
Cuyahoga County							
Solon	06	1255EST			0 0	2K	Thunderstorm Wind (EG50)
							Thunderstorm winds toppled one large tree.
Summit County							
Twinsburg	06	1300EST 1310EST			0 0	20K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a few trees and large limbs in and around Twinsburg.



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July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, North</u>									
Portage County									
Ravenna	06	1315EST			0	0	10K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few trees.								
Geauga County									
Auburn Center	06	1325EST			0	0	20K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed several trees in Auburn Township.								
Trumbull County									
Bazetta to Kinsman	06	1335EST 1400EST			0	0	15K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed trees in Bazetta and Kinsman.								
Trumbull County									
Lordstown	06	1340EST			0	0	15K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few trees.								
Wood County									
Perrysburg	06	1920EST			0	0	1K		Thunderstorm Wind (MG37)
	Thunderstorm winds measured at 42 mph downed one large tree limb.								
Wood County									
Perrysburg	07	1255EST			0	0	10K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed many large tree limbs across the county.								
Hancock County									
Arlington to Findlay	07	1305EST 1320EST			0	0	25K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed many trees in Arlington and a few trees and large limbs in Findlay.								
Hancock County									
Findlay Arpt	07	1313EST			0	0			Thunderstorm Wind (MG50)
	A 58 mph thunderstorm wind gust was measured at the Findlay Airport.								
Ottawa County									
Countywide	07	1315EST			0	0	25K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed trees across the county.								
Erie County									
Countywide	07	1320EST			0	0	20K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few trees and large limbs across the county.								
Lucas County									
Waterville to Toledo	07	1320EST 1330EST			0	0	30K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed trees in Waterville and Toledo. A home was damaged by a tree on the east side of Toledo.								
Sandusky County									
Countywide	07	1320EST			0	0	25K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed trees across the county.								
Seneca County									
Countywide	07	1335EST 1345EST			0	0	15K		Thunderstorm Wind (MG48)
	A 55 mph thunderstorm wind gust was measured. A few trees and large limbs were downed across the county.								
Wyandot County									
Countywide	07	1340EST			0	0	20K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few trees in the northeastern portion of the county with scattered large limbs down elsewhere in Wyandot County.								



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July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>OHIO, North</u>							
Marion County							
Marion	07	1355EST			0 0	10K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a few trees.
Cuyahoga County							
Cle Hopkins Intl Arp	07	1400EST			0 0		Thunderstorm Wind (MG53)
							A 61 mph thunderstorm wind gust was measured at Cleveland Hopkins International Airport.
Cuyahoga County							
Countywide	07	1400EST 1430EST			0 0	50K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed trees across the county.
Lorain County							
Lorain	07	1400EST			0 0	10K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a few trees.
Crawford County							
Countywide	07	1405EST 1430EST			0 0	40K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed trees and large limbs across the county. A house in Bucyrus was damaged by a fallen tree
Erie County							
Countywide	07	1410EST			0 0	15K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a few trees across the county.
Portage County							
Countywide	07	1410EST 1420EST			0 0	50K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed trees and large limbs across the county. A home in Ravenna was damaged by a fallen tree.
Portage County							
Ravenna	07	1410EST			0 0	50K	Hail(1.75)
							Golf ball size hail was observed. Several cars were damaged.
Huron County							
Countywide	07	1415EST 1430EST			0 0	50K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed many trees across the county. The Bellvue and Norwalk areas were the hardest hit.
Summit County							
Countywide	07	1415EST			0 0	15K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a few trees across the northern half of the county.
Summit County							
Barberton	07	1420EST			0 0	15K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees.
Morrow County							
Countywide	07	1430EST			0 0	15K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed a few trees across the county.
Lorain County							
La Grange	07	1432EST			0 0		Hail(0.75)
							Penny size hail was observed.
Ashland County							
Countywide	07	1440EST			0 0	20K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees across the northern half of the county.



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July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, North</u>									
Richland County									
Bellville to Mansfield	07	1440EST 1500EST			0	0	30K		Thunderstorm Wind (EG50)
Thunderstorm winds downed trees in Bellville and Mansfield. A mobile home was heavily damaged by a tree in Mansfield.									
Medina County									
Countywide	07	1445EST 1515EST			0	0	50K		Thunderstorm Wind (EG50)
Thunderstorm winds downed trees and large limbs across the county. A house in Lafayette Township was damaged by a tree and a building in Medina also sustained minor damage.									
Medina County									
Medina	07	1449EST			0	0			Hail(0.75)
Penny size hail was observed.									
Knox County									
Mt Vernon	07	1500EST			0	0	15K		Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees and large limbs.									
Portage County									
Streetsboro	07	1509EST			0	0	15K		Hail(1.75)
Golf ball size hail was observed. Several cars were damaged.									
Holmes County									
Millersburg	07	1510EST			0	0	5K		Thunderstorm Wind (EG50)
Thunderstorm winds downed two trees south of Millersburg.									
Wayne County									
Countywide	07	1510EST			0	0	50K		Thunderstorm Wind (EG50)
Thunderstorm winds downed trees and large limbs across the county. A small mobile home near Wooster was crushed by fallen trees.									
Summit County									
Countywide	07	1520EST			0	0	25K		Thunderstorm Wind (EG52)
Thunderstorm wind gusts estimated at 50 to 60 mph downed a few trees and large limbs across the county.									
Portage County									
Randolph	07	1524EST	0	10	0	0	0		Tornado (F0)
A small tornado briefly touched down in a field along Laubert Road to the south of Randolph. The tornado was on the ground only a few dozen feet and caused no damage.									
Mahoning County									
Canfield	07	1525EST			0	0	2K		Hail(0.88)
Nickel size hail was observed.									
Stark County									
Waynesburg	07	1527EST			0	0			Thunderstorm Wind (MG52)
A 60 mph thunderstorm wind gust was measured.									
Summit County									
Akron	07	1528EST			0	0	2K		Hail(0.88)
Nickel size hail was observed.									
Summit County									
Countywide	07	1528EST			0	0	15K		Thunderstorm Wind (EG50)
Thunderstorm winds downed trees and large limbs in Macedonia, Twinsburg and Akron.									
Portage County									
Countywide	07	1535EST			0	0	25K		Thunderstorm Wind (EG50)
Thunderstorm winds downed many trees and large limbs across southern Portage County.									



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July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>OHIO, North</u>							
Mahoning County							
Austintown	07	1540EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees.							
Mahoning County							
Ellsworth to Canfield	07	1540EST 1600EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees and large limbs in the Ellsworth and Canfield areas							
Portage County							
Countywide	07	1600EST 1830EST			0 0	200K	Flash Flood
Thunderstorms dumped up to four inches of rain on Portage County during the late afternoon and evening hours. Widespread street and lowland flooding occurred in the county. The flooding was most severe in Ravenna, Rootstown and Charlestown. Several streets and roads in these areas had to be closed because of high water. A house in Charlestown was severely damaged by flood waters.							
Lorain County							
Amherst to Lorain	07	2010EST			0 0	30K	Thunderstorm Wind (EG50)
Thunderstorm winds downed trees in Amherst and Lorain. A home was damaged by a fallen tree in Lorain.							
Cuyahoga County							
North Olmsted	07	2035EST			0 0	2K	Hail(0.88)
Nickel size hail was observed.							
Cuyahoga County							
Strongsville	07	2055EST 2059EST			0 0	4K	Hail(0.88)
Nickel size hail was observed.							
Cuyahoga County							
Strongsville	07	2056EST			0 0	2K	Hail(1.00)
Penny to quarter size hail was observed.							
Medina County							
Brunswick	07	2106EST			0 0	2K	Hail(0.88)
Nickel size hail was observed.							
Medina County							
Brunswick	07	2109EST			0 0		Hail(0.75)
Penny size hail was observed.							
Summit County							
Countywide	07	2110EST 2305EST			0 0	50K	Thunderstorm Wind (EG50)
Several severe thunderstorms moved across Summit County during the late evening hours of the 7th. Many trees and large limbs were downed across the county.							
Medina County							
Countywide	07	2120EST			0 0	10K	Thunderstorm Wind (EG50)
Thunderstorm winds downed a few trees in the southeastern corner of the county.							
Stark County							
Countywide	07	2210EST			0 0	25K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees across the northern half of the county.							
Medina County							
Medina	07	2300EST			0 0	10K	Thunderstorm Wind (EG50)
Thunderstorm winds downed a few trees in Medina.							



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July 2003

									July 2003
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops		Character of Storm
<u>OHIO, North</u>									
Summit County									
Hudson	08	0010EST			0	0			Hail(0.75)
	Penny size hail was observed.								
Portage County									
Ravenna	08	0050EST			0	0			Hail(0.75)
	Penny size hail was observed.								
Hancock County									
Mt Cory to Rawson	08	0230EST			0	0	50K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed several trees in southwestern Hancock County near Bluffton, Mount Cory and Rawson.								
Sandusky County									
Countywide	08	0240EST 0310EST			0	0	150K		Thunderstorm Wind (MG52)
	A line of severe thunderstorms moved across Sandusky County during the early morning hours causing widespread damage and scattered power outages. A 60 mph gust was measured at Woodville at 4:10 a.m. Dozens of trees were downed across the county. At least a few vehicles were damaged by fallen trees and flying debris.								
Lucas County									
Countywide	08	0245EST			0	0	250K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed trees and large limbs across the county. Several roads were blocked by trees and scattered power outages were reported.								
Seneca County									
Countywide	08	0245EST 0315EST			0	0	500K		Thunderstorm Wind (MG60)
	A line of severe thunderstorms moved across Seneca County and caused extensive damage. A 69 mph gust was measured in Tiffin at 3:51 a.m. Over 100 trees and at least ten power poles were downed in the county. Several homes were damaged across the county and a barn was leveled on County Road 39. Several buildings were also damaged at the county fairgrounds and a truck was blown over on State Route 4 near Attica. Many vehicles were damaged or destroyed by fallen trees and limbs.								
Wood County									
Rossford to Walbridge	08	0245EST 0300EST			0	0	15K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few trees in Rossford and Walbridge.								
Wyandot County									
Countywide	08	0245EST 0300EST			0	0	150K		Thunderstorm Wind (EG50)
	A line of severe thunderstorms moved across Wyandot County and downed many trees, large limbs and power lines. At least two buildings sustained damage.								
Crawford County									
Countywide	08	0300EST 0320EST			0	0	150K		Thunderstorm Wind (EG50)
	A line of severe thunderstorms moved across Crawford County during the early morning hours. The northern half of the county was especially hard hit with dozens of downed trees and scattered power outages reported. Several roads, including State Route 19 were blocked by fallen trees.								
Marion County									
Countywide	08	0300EST			0	0	50K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed many trees and limbs across the county.								
Richland County									
Ontario	08	0312EST			0	0			Hail(0.75)
	Penny size hail was observed.								



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OHIO, North

Huron County

Countywide

08 0315EST **0345EST** **0** **0** **300K** **Thunderstorm Wind (MG56)**

A line of severe thunderstorms moved east across Huron County early in the morning and caused widespread damage and scattered power outages. A 65 mph wind gust was measured near Norwalk at 4:30 a.m. Dozens of trees were downed across the county and at least three power poles were toppled near Bellvue. A home in Norwalk was heavily damaged by a fallen tree. A few homes and vehicles were also damaged in Bellevue.

Morrow County

Countywide

08 0315EST **0** **0** **50K** **Thunderstorm Wind (EG50)**

Thunderstorm winds downed trees and large limbs across the county.

Ottawa County

Countywide

08 0315EST **0** **0** **50K** **Thunderstorm Wind (EG50)**

Thunderstorm winds downed many trees and large limbs across the county.

Richland County

Shelby

08 0315EST **0** **0** **10K** **Thunderstorm Wind (EG50)**

Thunderstorm winds downed a few trees.

Richland County

Shiloh

08 0322EST **0** **0** **Hail(0.88)**

Nickel size hail was observed.

Erie County

Countywide

08 0330EST **0400EST** **0** **0** **400K** **Thunderstorm Wind (MG56)**

A line of severe thunderstorms moved across Erie County during the early morning hours causing widespread damage and scattered power outages. The Milan, Sandusky and Berlin Heights areas were especially hard hit. A 65 mph thunderstorm gust was measured at Huron at 4:47 a.m. Other measured gusts included 57 mph at Sandusky and 56 mph at Berlin Heights. Dozens of trees were downed and many homes damaged. Three vehicles were destroyed by fallen trees and several others damaged.

Ashland County

Countywide

08 0345EST **0** **0** **50K** **Thunderstorm Wind (EG50)**

Thunderstorm winds downed several trees across northern Ashland County.

Knox County

Mt Vernon

08 0345EST **0** **0** **50K** **Thunderstorm Wind (EG50)**

Thunderstorm winds downed many trees and large limbs in Mount Vernon. A car was crushed by a fallen tree.

Lorain County

Countywide

08 0345EST **0415EST** **0** **0** **250K** **Thunderstorm Wind (MG56)**

A line of severe thunderstorms moved across Lorain County before daybreak causing widespread damage and power outages. The Elyria and Lorain areas were very hard hit with dozens of trees downed in both cities. A 65 mph thunderstorm gust was measured at Elyria at 5:00 a.m. Many trees were also downed elsewhere in the county. A home was heavily damaged in Avon with several other buildings in the county sustaining minor damage. Dozens of cars were damaged and as many as 26,000 customers lost power during the storm.

Medina County

Countywide

08 0345EST **0415EST** **0** **0** **50K** **Thunderstorm Wind (EG50)**

Thunderstorm winds downed many trees and large limbs.

Medina County

Medina

08 0400EST **0** **0** **15K** **Thunderstorm Wind (EG50)**

Thunderstorm winds downed five trees in Medina Township.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>OHIO, North</u>							
Wayne County							
Countywide	08	0410EST			0 0	50K	Thunderstorm Wind (EG50)
Thunderstorm winds downed trees and large limbs across the county.							
Holmes County							
Countywide	08	0415EST			0 0	50K	Thunderstorm Wind (EG50)
Thunderstorm winds downed trees and large limbs across the county.							
Cuyahoga County							
Cle Hopkins Intl Arp	08	0417EST			0 0		Thunderstorm Wind (MG50)
A 58 mph thunderstorm wind gust was measured at Cleveland Hopkins International Airport.							
Stark County							
Hartville	08	0425EST 0500EST			0 0	250K	Thunderstorm Wind (MG55)
A line of severe thunderstorms moved across Stark County just before daybreak and caused widespread damage and scattered power outages. A 63 mph thunderstorm wind gust was measured near Hartville at 531 a.m. Dozens of trees were downed across the county and homes were damaged in Alliance and near East Canton. Several vehicles were also damaged or destroyed in the county.							
Summit County							
Countywide	08	0430EST 0500EST			0 0	250K	Thunderstorm Wind (EG50)
A line of severe thunderstorms moved across Summit County around daybreak and caused scattered power outages. Many trees were downed across the county and a house was heavily damaged in Cuyahoga Falls. Two other homes were damaged in Tallmadge and a car was crushed by a tree in Fairlawn.							
Portage County							
Countywide	08	0445EST			0 0	75K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees and large limbs across the county. Homes were damaged by fallen trees in Ravenna and Brimfield.							
Cuyahoga County							
Countywide	08	0510EST 0540EST			0 0	300K	Thunderstorm Wind (MG50)
A line of severe thunderstorms moved across Cuyahoga County just before daybreak causing widespread damage and scattered power outages. The southern half of the county was hardest hit with dozens of trees downed in both Brookpark and Berea. Many other trees were downed elsewhere in the county. Homes were damaged in Westlake, Brookpark, Berea and Parma Heights. Several vehicles were also damaged.							
Mahoning County							
Canfield to Youngstown	08	0510EST 0530EST			0 0	100K	Thunderstorm Wind (EG50)
A line of severe thunderstorms moved across Mahoning County around daybreak and caused scattered power outages. Many trees were downed in Canfield and Youngstown.							
Trumbull County							
Leavittsburg to Warren	08	0510EST 0530EST			0 0	50K	Thunderstorm Wind (EG50)
A line of severe thunderstorms moved across Trumbull County around daybreak and downed many trees in Leavittsburg and Warren.							
Geauga County							
Newbury	08	0512EST			0 0	25K	Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees in Newbury Township.							
Wood County							
Tontogany	08	1401EST			0 0	15K	Thunderstorm Wind (EG50)
Thunderstorm winds downed trees and limbs to the northwest of Tontogany near the intersection of State Routes 235 and 65.							



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, North									
Lucas County									
Toledo	08	1430EST			0	0	15K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed six trees west of Toledo.								
Wood County									
Bowling Green	08	1445EST 1500EST			0	0	2M		Thunderstorm Wind (MG88)
	A line of severe thunderstorms moved across Wood County and caused widespread damage and power outages. A 101 mph wind gust was measured at the Bowling Green Airport at approximately 3:55 p.m. The airport, located on the northeast side of town, was very hard hit. The terminal building lost a large section of roof with three nearby hangers heavily damaged. A total of 17 aircraft were either damaged or destroyed. Four buildings at the Bowling Green State University were damaged by the strong winds. Signs and a press box on the campus were also toppled. Many other homes and buildings, including a city garage, were damaged. Hundreds of trees and limbs were downed and many streets had to closed because of debris. Dozens of vehicles sustained varying amounts of damage.								
Wood County									
Countywide	08	1445EST 1515EST			0	0	500K	2M	Thunderstorm Wind (EG50)
	A line of severe thunderstorms moved across Wood County and caused widespread damage and power outages. The most significant damage occurred in the central portion of the county, but Bradner, Tontogany and Grand Rapids were also very hard hit. A few homes were damaged in Grand Rapids and a garage was leveled in Tontogany by winds estimated to be in excess of 75 mph. Several trees and large limbs were downed in the county and crop losses were significant.								
Lucas County									
Maumee	08	1455EST			0	0	75K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed several trees and large limbs. Two homes were heavily damaged by fallen trees.								
Wyandot County									
Carey	08	1500EST			0	0	15K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed several trees.								
Hancock County									
Countywide	08	1520EST			0	0	15K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed several trees across the county.								
Seneca County									
Countywide	08	1525EST			0	0	35K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed many trees and large limbs across the county.								
Crawford County									
Bucyrus	08	1530EST			0	0	15K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed many large tree limbs.								
Hancock County									
Countywide	08	1535EST 1800EST			0	0	150K	250K	Flash Flood
	Thunderstorms dumped two to three inches of rain on Hancock County during the late afternoon and early evening hours. Some lowland flooding and street flooding occurred across mainly the southern half of the county. Several roads had to be closed after vehicles became stranded in flood waters up to three feet deep.								
Wyandot County									
Countywide	08	1540EST 2100EST			0	0	100K	500K	Flash Flood
	Thunderstorms dumped two to four inches of rain on Wyandot County during the late afternoon and early evening hours.								



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

OHIO, North

Widespread street and lowland flooding occurred with many streams and creeks leaving their banks. Many roads had to be closed due to flood waters up to four feet deep.

Seneca County Countywide

08	1545EST 1815EST			0	0	100K	500K	Flash Flood
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Thunderstorms dumped two to four inches of rain on Seneca County during the late afternoon and early evening hours. Widespread street and lowland flooding occurred with many streams and creeks leaving their banks. Many roads had to be closed due to flood waters up to three feet deep.

Crawford County Bucyrus

08	1600EST 2030EST			0	0	250K	600K	Flash Flood
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Thunderstorms dumped two to four inches of rain on Bucyrus during the late afternoon and early evening hours causing many streams and creeks to leave their banks. Two inches of rain was measured in 25 minutes during the peak of the storm. Widespread street and lowland flooding occurred, mainly on the east side of the city. Several streets had to be closed due to flooding. Flood waters up to three feet deep were reported and at least a couple vehicles became stranded in the high water.

Huron County Countywide

08	1615EST 1815EST			0	0	250K		Flash Flood
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Thunderstorms dumped very heavy rains on Huron County during the late afternoon and early evening hours. Over two inches of rain fell in Willard during a 20 minute period. For the afternoon, 2.9 inches of rain fell at Willard. Widespread street and lowland flooding occurred in both Willard and Norwalk. Several roads were washed out in Willard and Ripley Township. New State Road was washed out just to the south of U.S. 224. Water on some roads in Willard was reported to be as much as five feet deep.

Huron County Willard

08	1615EST			0	0	50K		Thunderstorm Wind (EG50)
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Thunderstorm winds downed several trees and large limbs. A home to the south of Willard was damaged by a fallen tree.

Richland County Countywide

08	1615EST 1645EST			0	0	150K		Thunderstorm Wind (EG50)
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A line of severe thunderstorms moved across Richland County and downed dozens of trees and large limbs. The Mansfield and Ontario areas were especially hard hit. A mobile home was damaged in Ontario. Scattered power outages were reported.

Ashland County Countywide

08	1630EST 1655EST			0	0	125K		Thunderstorm Wind (EG50)
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A line of severe thunderstorms moved across Ashland County and downed dozens of trees. Over 40 trees and large limbs were downed in Ashland alone. Many trees were also toppled in the southern portion of the county near Mohican State Park. A shower house at the park was heavily damaged as were three cars parked nearby.

Ashland County Polk

08	1631EST			0	0	2K		Hail(0.88)
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Nickel size hail was observed.

Lorain County Countywide

08	1645EST			0	0	50K		Thunderstorm Wind (EG50)
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Thunderstorm winds downed trees and large limbs in Rochester, Huntington and Elyria. A covered picnic shelter was blown down in Elyria.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OHIO, North									
Morrow County									
Countywide	08	1645EST			0	0	50K		Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees and large limbs. A motor home was crushed by a fallen tree.									
Summit County									
Boston Hgts	08	1645EST			0	0	25K		Thunderstorm Wind (EG50)
Thunderstorm winds downed numerous trees.									
Holmes County									
Countywide	08	1650EST 1720EST			0	0	100K		Thunderstorm Wind (EG50)
A line of severe thunderstorms moved east across Holmes County and caused widespread damage and scattered power outages. The Winesburg, Holmesville and Killbuck areas were especially hard hit. Dozens of trees were downed across the county. Homes were damaged in both Holmesville and Winesburg.									
Medina County									
Granger	08	1652EST 1713EST			0	0	25K		Thunderstorm Wind (EG50)
Thunderstorm winds downed many trees.									
Portage County									
Streetsboro	08	1655EST			0	0	2K		Hail(0.88)
Nickel size hail was observed.									
Summit County									
Fairlawn	08	1659EST			0	0	2K		Thunderstorm Wind (EG50)
Thunderstorm winds downed a large tree.									
Ashland County									
Countywide	08	1700EST 1930EST			0	0	100K	250K	Flash Flood
Thunderstorms dumped two to three inches of rain on Ashland County in a short period of time. 1.75 inches of rain was measured at Polk in 75 minutes during the peak of the storm. Widespread lowland and street flooding occurred with many streams and creeks leaving their banks. Several vehicles became stranded in flooded underpasses in Ashland. Well over a dozen roads had to be closed in the county due to flood waters up to three feet deep.									
Wayne County									
Countywide	08	1705EST			0	0	15K		Thunderstorm Wind (EG50)
Thunderstorm winds downed several trees and large limbs.									
Portage County									
Ravenna	08	1724EST			0	0			Hail(0.75)
Penny size hail was observed.									
Richland County									
Mansfield	08	1745EST 1900EST			0	0	500K	300K	Flash Flood
Thunderstorms dumped two to three inches of rain on Mansfield during the evening hours. Widespread street and lowland flooding occurred as several streams and creeks left their banks. A library had to be evacuated due to flooding in a ground level lobby and parking garage. Several streets in the downtown area flooded stranding many vehicles. Several people had to be rescued from their vehicles. Water up to eight feet deep was reported in an underpass just east of downtown.									
Stark County									
Waco	08	1745EST 1810EST			0	0	150K		Thunderstorm Wind (EG61)
A line of severe thunderstorms moved across Stark County and downed dozens of trees and large limbs. A 70 mph thunderstorm wind gust was estimated in Waco at 6:31 p.m.									



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OHIO, North</u>									
Mahoning County									
Countywide	08	1805EST			0	0	25K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few trees and several large limbs.								
Holmes County									
Killbuck	08	1900EST 2000EST			0	0	100K	250K	Flash Flood
	Thunderstorms dumped heavy rains on Holmes County during the evening hours causing localized flooding near Killbuck. A mudslide occurred on a hill north of town resulting in the destruction of two mobile homes. There were no injuries.								
Huron County									
Collins	10	1030EST	0.1	25	0	0	10K	30K	Tornado (F0)
	A weak tornado touched down about one mile southeast of Collins in Townsend Township. The tornado was only on the ground for a few hundred yards before lifting. This F0 tornado knocked down a few trees and caused some crop damage. No buildings were damaged. A moving recreational vehicle was pushed off the road but little damage and no injuries occurred.								
Lorain County									
Amherst to Avon Lake	10	1130EST			0	0			Funnel Cloud
	A funnel cloud was observed for several minutes over northern Lorain County. The funnel was first spotted along Cooper Foster Park Road in Amherst. The funnel then traveled northeast over the city of Lorain and finally dissipated near Avon Lake. The funnel never came in contact with the ground and caused no damage.								
Lorain County									
Lorain	10	1140EST			0	0	2K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a tree.								
Lorain County									
Sheffield Lake	10	1145EST			0	0	2K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a tree.								
Ashtabula County									
Wayne	10	1600EST			0	0			Funnel Cloud
	A funnel cloud was observed by law enforcement officials along State Route 11 in Wayne Township. No touchdown or damage occurred.								
Wood County									
Custar	20	1645EST			0	0	10K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed several large tree limbs.								
Hancock County									
West Independence	20	1705EST			0	0	2K		Hail(1.00)
	Quarter size hail was observed near West Independence.								
Wyandot County									
Harpster	21	0810EST			0	0	2K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed two large tree limbs.								
Marion County									
La Rue	21	0815EST			0	0	5K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed two large trees.								
Hancock County									
Findlay	21	0818EST			0	0	5K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few large tree limbs.								
Marion County									
Marion	21	0824EST			0	0	12K		Thunderstorm Wind (EG50)
	Thunderstorm winds downed a few trees and several large limbs west of Marion.								



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>OHIO, North</u>							
Morrow County							
Mt Gilead to Chesterville	21	0825EST 0830EST			0 0	25K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees near Mount Gilead and Chesterville.
Knox County							
Centerburg	21	0830EST			0 0		Thunderstorm Wind (EG52)
							Thunderstorm wind gusts were estimated at 60 mph.
Crawford County							
Galion	21	0835EST			0 0	6K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several large limbs.
Richland County							
Mansfield	21	0900EST			0 0	2K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed two large trees limbs in Washington Township to the south of Mansfield.
Ashland County							
Ashland	21	0905EST			0 0	10K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed trees and limbs five miles north of Ashland.
Holmes County							
Killbuck	21	0915EST			0 0	5K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several large tree limbs.
Portage County							
Atwater	21	1205EST			0 0		Thunderstorm Wind (MG54)
							A 62 mph thunderstorm wind gust was measured in Atwater.
Stark County							
Crystal Spgs	21	1217EST			0 0	25K 25K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several trees and large limbs. A building had several windows blown out and a field nearby was flattened.
Mahoning County							
Lake Milton	21	1225EST			0 0	40K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed many trees just east of Lake Milton.
Trumbull County							
Warren	21	1230EST			0 0	25K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed several large trees.
Mahoning County							
Youngstown	21	1245EST 1255EST	8	75	0 0	1M	Tornado (F1)
							A tornado touched down just southwest of the Mahoning River between Gibson and Poland Avenues on the northeast side of Youngstown. The tornado then skipped northeast for approximately eight miles before dissipating on the eastern edge of the city just south of the Trumbull County border. The damage path was 50 to 100 yards in width and was intermittent in nature. Ten businesses and around 80 homes were damaged by the tornado. One business was destroyed, and of the 80 homes, 60 had major damage. Two railroad cars were overturned and hundreds of trees were toppled along the damage path.
Wayne County							
Wooster	21	1705EST			0 0	5K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed two trees five miles north of Wooster.
Portage County							
Wayland	21	1730EST			0 0	5K	Thunderstorm Wind (EG50)
							Thunderstorm winds downed two trees.



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Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, North</u>									
Cuyahoga County									
Cleveland	21	1800EST			0	0	20K		Thunderstorm Wind (EG50)
			Thunderstorm winds downed several trees.						
Summit County									
Countywide	21	1803EST			0	0	15K		Thunderstorm Wind (EG50)
			Thunderstorm winds downed many large tree limbs in southern Summit County.						
Stark County									
Hartville	21	1815EST			0	0			Funnel Cloud
			A funnel cloud was observed just east of Hartville. The funnel never came in contact with the ground and caused no damage.						
Trumbull County									
Howland Corners	21	1820EST			0	0	50K		Thunderstorm Wind (EG50)
			Thunderstorm winds toppled several trees in Howland Township. At least two homes were damaged by fallen trees.						
Stark County									
Marlboro	21	1825EST			0	0			Funnel Cloud
			A funnel cloud was observed two miles north of Marlboro. The funnel never came in contact with the ground and caused no damage.						
Trumbull County									
Churchill	21	1833EST			0	1	500K		Thunderstorm Wind (EG50)
			Thunderstorm downburst winds caused considerable damage at a mobile park along State Route 193 in Liberty Township just to the north of the Mahoning County line. Three mobile homes were destroyed and 17 others damaged. A 40 year man sustained a broken arm when his mobile home was overturned. Dozens of trees were downed in the area. Many vehicles were also damaged.						
Ottawa County									
Oak Harbor	21	1835EST			0	0			Hail(0.75)
			Penny size hail was observed north of Oak Harbor.						
Trumbull County									
Girard	21	1845EST			0	0	15K		Thunderstorm Wind (EG50)
			Thunderstorm winds downed several trees north of Girard near Lake Girard.						
Trumbull County									
Hubbard	21	1845EST			0	0	15K		Thunderstorm Wind (EG50)
			Thunderstorm winds downed several trees.						
Mahoning County									
Countywide	21	2045EST			0	0	25K		Thunderstorm Wind (EG50)
			Thunderstorm winds downed several trees and large limbs across the county.						
Marion County									
Marion	21	2055EST			0	0	6K		Thunderstorm Wind (EG50)
			Thunderstorm winds downed one tree and several large limbs four miles west of Marion.						
Trumbull County									
Countywide	21	1200EST 1515EST			1	0	12M		Flash Flood
			Thunderstorms dumped two to four inches of rain on portions of Trumbull County during the afternoon hours. The most severe flooding occurred in Warren, Howland, Braceville and Brookfield Townships with many evacuations reported. 2.71 inches of rain fell in Southington by 2 p.m with 4.61 inches of rain in Brookfield by 3 p.m. A 10 year boy drowned on the northeast side of Warren around 2 p.m. when he was sucked into a culvert and became trapped. Many roads were washed out in Howland Township. Sev M100U						



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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OHIO, North

Ashtabula County

South Portion

21 1300EST 2000EST 0 0 500K Flash Flood

Heavy thunderstorm rains fell on Ashtabula County. Spotters in Colebrook Township measured 4.50 inches of rain during the day with over 3.5 inches measured in Orwell Township. Widespread lowland and street flooding was reported in southern Ashtabula County as several small streams and creeks left their banks. A few homes and buildings were damaged by flood waters up to two feet deep. Several roads had to be closed.

Mahoning County

Countywide

21 1845EST 2200EST 0 0 750K Flash Flood

Thunderstorms dumped very heavy rains on the northern and eastern portions of Mahoning County. Rainfall rates during the evening hours approached two inches per hour at times. Rainfall totals for the day ranged from around five inches in the northern portion of the county to around two inches in the south. Urban and lowland flooding occurred countywide but the northeastern corner of the county sustained the greatest damage after several small streams and creeks left their banks. Many homes and streets in that corner of the county were affected by flood waters up to four feet deep. Portions of Youngstown were also impacted by this flooding and several buildings on the Youngstown State University campus were damaged. A handful of motorists had to be rescued from their cars.

Summit County

Countywide

21 1845EST 22 0245EST 2 0 100M Flash Flood

Thunderstorms dumped very heavy rains on Summit County causing catastrophic flooding in parts of the county. Rainfall rates exceeded two inches per hour at times during the evening hours. Many streams and creeks left their banks causing widespread flooding. Spotters measured 7.20 inches of rain at Richfield and a gage at Hudson High School record 3 inches of rain between 7:45 and 8:15 p.m. with a storm total of 7.5 inches. Five inches of rain was measured in Stow. Two men drown at approximately 8:50 p.m. in an underground parking garage at an condominium complex located along Atterbury Boulevard in Hudson. Witnesses indicated that the underground garage filled with water in just a few minutes. Nearby Brandywine Creek overflowed its banks and flooded the complex. The creek rose at the rate of two feet every 10 minutes between 8 and 9 p.m. Flooding reached half way up the first floor of the buildings and around 80 residents of the complex had to be evacuated by boat. Bucket surveys upstream of the complex indicate that as much as 10.4 inches of rain fell on the 21st. Mud Brook left its banks in the Merriman Valley neighborhood of northwest Akron and cut off an apartment complex on West Portage Trail. The three bridges leading to the complex were washed out trapping nearly 200 people. A temporary road was built and the residents were finally rescued late on the 22nd. Flooding also occurred in Twinsburg, Akron, Cuyahoga Falls, Peninsula, Copley, Bath, Boston Heights, Green and Stow. In Twinsburg, Tinkers Creek went into flood and damaged several dozens homes and businesses. Over 400 homes were damaged in Cuyahoga Falls by flooding. Most of the homes were in neighborhoods along 6th, 7th and Kilarney Streets. An automated rain gage in the area measured 4.60 inches of rain. Flooding affected large sections of Silver Lake and Stow forcing the evacuation of dozens of people. Spotters in Stow measured 6.28 inches of rain. Over 500 homes and around 30 businesses were damaged in Stow. Ten of the homes sustained major damage. People had to be rescued from motor vehicles all over the county as hundreds of roads and bridges were either washed out or flooded. Flooding in Boston Township was the worst since 1913. Over \$1 million in damages occurred to public property and roads in Hudson. Another \$1.5 million in damages occurred to roads elsewhere in Summit County. Over 300 homes in the county sustained enough damage to be declared destroyed or uninhabitable. As many as 1,000 other homes and businesses sustained lesser damages. Damage estimates for the county top \$100 million.

M18BF, M53BF



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

OHIO, North

Geauga County

Countywide

21 1850EST
22 2030EST 0 0 500K Flash Flood

Thunderstorms dumped two to three inches of rain on the southeastern half of Geauga County during the day. Lowland and street flooding occurred in that part of the county during the evening hours as several small streams and creeks left their banks. Many homes sustained minor flooding damage and nearly a dozen roads had to be closed because of flooding.

Portage County

Countywide

21 1855EST
22 0200EST 0 0 20M Flash Flood

Thunderstorms dumped heavy rains on Portage County. Rainfall rates at times exceeded two inches per hour. Rainfall totals for the day exceeded four inches in some areas with highest amounts across the central portion of the county. Spotters in Kent measured 4.13 inches of rain by 8:30 p.m. and a total of 4.6 inches of rain fell at the water treatment plant in Kent. Mantua received 4.7 inches of rain by 9:00 p.m. and 3.6 inches of rain fell at Ravenna between 7 and 9 p.m. Extensive lowland and urban flooding occurred as many stream and creeks left their banks. The northern and central portions of the county were the hardest hit by the flooding. Knee deep water was reported over large sections of Ravenna just after sunset and bucket surveys indicate that as much as 7 inches of rain may have fallen on the city. Boats had to be sent to a mobile home park on the west side of the city to rescue 101 residents. Around 150 homes and businesses were damaged in Ravenna. Reports of up to 5 inches of rain were received from Aurora. Many homes were damaged in this area and several roads were washed out. The Holiday Acres and Pike Parkway neighborhoods in Streetsboro were hard hit with water in some areas up to four feet deep. The occupants of five motor vehicles had to be rescued. Kent was also hard hit with many damaged homes and washed out streets. Damage to roads and bridges in the county was near \$1 million. Hundreds of homes were damaged in the county and damage to private property topped \$20 million.

Trumbull County

Countywide

21 1900EST
22 0230EST 0 0 25M Flash Flood

Heavy thunderstorm rains fell on Trumbull County during the evening hours. This was the second round of heavy precipitation during the day. The southern portion of the county experienced devastating flooding. As much as seven inches of rain was reported on the 21st with the southern half of the county generally seeing four to six inches of rain. Three inches of rain was reported in Warren between 6:30 and 9:30 p.m. A new all time calendar day rainfall record of 4.65 inches was established at the Youngstown-Warren Regional Airport in Vienna Township. Over 7 inches of rain fell in the southeastern corner of the County with several five inch reports in Warren and 4.60 inches measured at Farmdale. Sections of Brookfield were flooded when Yankee Run Creek left its bank. Flood waters up to five feet deep were reported with many cars swept off roads. Evacuations occurred at an apartment complex in Brookfield and also in portions of Hubbard where Mud Run left its bank. Devastating flooding also occurred further west in the Girard, McDonald and Liberty Township areas. Dozens of roads were washed out and numerous evacuations occurred in these areas. All roads were closed in Girard at 9:30 p.m. Dozens of homes were flooded in Liberty Township with damages to public property and roads topping \$1 million. Damages in Girard were also well into the millions. Flood waters up to four feet deep were observed in Vienna Township just south of the airport. Significant flooding occurred in Warren with dozens of homes affected. Two large factories in the city had to be closed and evacuated because of flooding. Finally, the Trumbull County 911 Center in Howland had to be evacuated around 9 p.m. when a basement wall collapsed allowing flood waters into the building. Flooding problems continued in the county until the 24th as the Mahoning River went into flood and caused even more damage. A total of 753 homes were damaged in Trumbull County by flash flooding on the 21st or the resulting river flooding. Of this total, 90 homes were declared destroyed or uninhabitable. Another 1400 homes experienced basement flooding.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

OHIO, North

Medina County

Countywide

21	1905EST	0	0	8M	Flash Flood
22	0100EST				

Thunderstorms dumped two to four inches of rain on Medina County on the 21st. Flash flooding occurred in portions of the county during the evening hours. 3.91 inches of rain fell in Chippewa Lake during with around 3.5 inches in the City of Medina. Over two inches of rain was measured between 6 and 7 p.m. in Medina. The flooding was most severe in Medina, Montville and Granger Townships. In Montville Township, the west branch of the Rocky River left it's bank and flooded several homes along River Styx Road. The river rose nine feet above normal causing a basement wall in the one of the houses to collapse. Several people were evacuated from homes nearby. At 9:05 p.m. a small child was washed into a flooded ditch in Granger Township. Rescue workers arrived quickly and were able to save the child. Extensive lowland and street flooding occurred in Medina with several roads damaged by the flood waters. Many homes were damaged by flooding in the city with areas along Smith Road affected the most. A total of 37 homes and 110 apartment units sustained major flood damage in the county. An additional 73 homes and two apartments sustained minor damage. Many businesses were also affected. Damage to public property, roads and recreational areas topped \$1 million. At least seven motorists were rescued from stranded cars during the storm.

OHZ023

Trumbull

21	2330EST	0	0	32M	Flood
24	0600EST				

Heavy thunderstorm rains on the 21st caused the Mahoning River to go into flood. At Leavittsburg, the river went into flood around midnight on the 22nd and crested at 17.16 feet during the early morning hours of the 23rd. The river went back below the flood stage of 10 feet at 7 a.m. on the 24th. At Warren, the river when above the 10 foot flood stage at 6 a.m. on the 22nd and crested at 14.88 feet just after daybreak on the 23rd. The river went back below flood stage at 6 a.m. on the 24th. Flooding occurred along the river in Trumbull County. Extensive damage was done in Leavittsburg, Warren and Niles. Evacuations were conducted in all three of these cities. Most of Leavittsburg was under water at the river's crest. The first major evacuation occurred at a mobile home park in Niles around midnight on the 21st. The flash flooding and river flooding created a heavy toll in Trumbull County. A total of 753 homes were damaged by flooding. Of these, 90 were declared destroyed or uninhabitable. Another 1,400 homes experienced basement flooding. 400 of these were in either Warren or Warren Township. Literally dozens of roads, culverts and driveways were washed out. Damage to roads, government or public buildings, parks and recreational areas topped \$4 million.

OHZ011-021

Cuyahoga - Summit

21	1900EST	0	0	15M	Flood
23	2345EST				

Runoff from very heavy thunderstorm rains caused the Cuyahoga River to leave it's banks late on the 21st. The river crested at 12.64 feet at Old Portage around 10 p.m. on the 21st. The river fell back below it's flood stage of 9 feet just after midnight on the 24th. At Independence, the Cuyahoga River went into flood around 6 a.m on the 22nd and crested at 21.12 feet around 6 p.m. on the 22nd. The river fell back below flood stage early in the afternoon of 23rd. Considerable damage was caused by the flooding in both Cuyahoga and Summit Counties. Over 20 miles of foot trails, several miles of railroad tracks and eight bridges were washed out in the Cuyahoga Valley National Recreation Area. Damage in the park topped \$1 million. Significant flooding occurred along Canal and Tinkers Creek Roads in Valley View. Many homes on the east side of the river along Gleeson, Charles, Frances and Stone Streets sustained major damage. Flooding also occurred along the river in Cuyahoga Falls and Monroe Falls near Kennedy Park. Over 20 businesses along the river also suffered flood related losses.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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OHIO, North

OHZ033

Mahoning

21	2200EST	0	0	10M	Flood
24	2100EST				

Heavy thunderstorm rains on July 21st caused the Mahoning River to go into flood at Youngstown. The river went above the flood stage of 10.0 feet at 11 p.m. on the 21st. The river crested at 17.49 feet at 7 a.m. on the 23rd and fell back below flood state at 10 p.m. on the 25th. The crest was the highest in Youngstown since January 22nd, 1959. Significant flooding occurred in the city with dozens of homes and businesses damaged. Industrial areas east of U.S. Highway 62 were very hard hit and water reached a depth of nearly four feet along the railroad tracks traversing the area.

**Summit County
Countywide**

22	1105EST	0	0	500K	Flash Flood
	1430EST				

For the second day in a row, heavy thunderstorm rains fell on Trumbull County. One to two inches of rain fell during the day. This rain combined with soil already saturated from flooding on the 21st caused streams and creeks near bankful or already in flood to rise dramatically during the day. Many homes and roads were damaged by this latest round of flooding.

**Wayne County
Countywide**

22	1110EST	0	0	250K	Flash Flood
	1430EST				

Thunderstorms dumped one to three inches of rain on Wayne County during the afternoon hours. This combined with the locally heavy rains that fell the previous day led to widespread street and lowland flooding. Many homes sustained flooding damage. A county road was washed out between Smithville and Orrville. Over a dozen other roads had to be closed because of flooding.

**Stark County
Massillon**

22	1115EST	0	0	15K	Thunderstorm Wind (EG50)
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Thunderstorm winds damaged two homes in Massillon.

**Trumbull County
Countywide**

22	1122EST	0	0	500K	Flash Flood
	1800EST				

For the second day in a row, heavy thunderstorm rains fell on Trumbull County. One to two inches of rain fell during the day. This rain combined with soil already saturated from flooding on the 21st caused streams and creeks near bankful or already in flood to rise dramatically during the day. Many homes and roads were damaged by this latest round of flooding.

**Portage County
Countywide**

22	1130EST	0	0	250K	Flash Flood
	1730EST				

For the second day in a row, heavy thunderstorm rains fell on Portage County. One to two inches of rain fell during the day. This rain combined with soil already saturated from flooding on the 21st caused streams and creeks near bankful or already in flood to rise dramatically during the day. Many homes and roads were damaged by this latest round of flooding.

**Mahoning County
Countywide**

22	1235EST	0	0	25K	Thunderstorm Wind (EG50)
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Thunderstorm winds downed trees and large limbs across the county.

**Mahoning County
Countywide**

22	2040EST	0	0	2M	Flash Flood
23	0200EST				

For the second day in a row, heavy thunderstorm rains fell on Mahoning County. Two to locally four inches of rain fell on the county during the day. Rainfall rates approached two inches per hour during the evening hours. With the soil already saturated, this rain led to widespread flooding across the county. Boardman and the southern portion of Youngstown were the hardest hit areas. In Boardman, 15 homes had water up to the top of the first floor. Three other homes were destroyed when their basement walls collapsed. Over 60 roads had to be closed due to flooding. Many homes and roads were also damaged in Youngstown. Dozens of



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

OHIO, North

1815EST

Thunderstorm winds downed many trees across the county. Up to 9,000 electric customers lost power during the storm.

Mahoning County

Austintown

27	1800EST	0	0	110K	Thunderstorm Wind (EG50)
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Thunderstorms knocked down and destroyed a carport at an apartment complex in Austintown. Ten vehicles parked underneath the carport were either damaged or destroyed.

Mahoning County

Campbell

27	1810EST	0	0	5K	Thunderstorm Wind (EG50)
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Thunderstorm winds downed two trees east of Campbell near Coitsville Center.

OHZ020-029>031

Medina - Richland - Ashland - Wayne

27	1810EST 2100EST	0	0	900K	Flood
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Thunderstorms moved across the region during the late afternoon and evening hours. Heavy rains accompanied the thunderstorms with rainfall rates of nearly two inches per hour with the stronger storms. The heaviest rains fell in southern Medina and northern Wayne Counties. Two to four inches of rain fell in these areas with slightly lesser amounts in Richland and Ashland Counties. In Medina County, 3.3 inches of rain was measured near Chippewa Lake with 3.08 inches at Wadsworth. An automatic gage near Wooster measured 2.8 inches of rain between 6 and 7:30 p.m and 2 inches of rain fell near Butler in Richland County. Widespread street and lowland flooding occurred in all four counties. Many roads had to be closed. Dozens of homes experienced basement flooding.

Stark County

Countywide

27	1815EST 2100EST	0	0	52M	Flash Flood
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Thunderstorms dumped two to four inches of rain on Stark County during the early evening hours with the greatest amounts in the northern and central portions of the county. Rainfall rates peaked at more than two inches per hour and spotters measured nearly 3 inches of rain in Jackson Township between 5 and 7 p.m. For the day, 3.94 inches of rain fell at the Akron-Canton Airport just north of the Stark County line. A maximum of 4.50 inches of rain was measured in Louisville with 4.00 inches at both Massillon and in Lake Township. 3.5 inches of rain was measured at the Canton Water Plant. Some of the worst flooding in the county occurred along the east and west branches of Nimishillen Creek. The creek left its banks during the evening hours after rising six feet in two hours and crested at an all time high of 14.07 feet at North Industry at 6:35 a.m on the 28th. Communities located along the river including North Canton, Canton and Louisville were devastated by flooding. Over 300 people had to be evacuated from their homes in Canton with dozens of others forced from their homes elsewhere in the county. In Louisville, the worst flooding occurred in areas west of Broadway Avenue and north of Eastland Avenue with over 100 homes affected. Emergency personnel rescued several people from rooftops and trees in the town. A man was rescued from his truck after it was swept off the road by flood waters around 6:30 p.m. A total of 36 people were displaced from their homes and 16 business in the downtown area were devastated by flooding. Damage in Louisville and adjacent Nimishillen Township was nearly \$10 million. In Canton, the worst flooding occurred along Mahoning Road NE between 9th and 12th Streets and in the Cook Park area. Most of the 300 people evacuated in the city lived in these neighborhoods. Hundreds of homes and business were affected by flooding in the city. A large factory located on Beldon Avenue sustained over \$5 million in flood damages. Over 120 homes were flooded in North Canton along the west branch of Nimishillen Creek. Just south of Canton in Canton and Pike Townships, two dozens mobile homes were destroyed by flooding along the creek and around 30 homes were damaged enough to be declared uninhabitable. Around 25 people had to be evacuated from an apartment complex in the southwestern portion of Lake Township. The Tuscarawas River went into flood at Canal Fulton and Massillon and damaged many homes. Mudslides occurred at several sites near the river in Lawrence Township. Sandy Creek went into flood at Minerva and damaged many homes. Scattered areas of flooding and damage were also reported across the remainder of the county. Over 1,000 homes and 500 vehicles were damaged by flooding the county. At least three major bridges were washed out and damage to roads was over \$3 million. Damage to homes and businesses in Canton alone topped \$25 million.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

OHIO, North

Summit County South Portion

27	1815EST 2015EST				0	0	750K		Flash Flood
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Thunderstorms dumped two to four inches of rain on southern Summit County during the early evening hours. Rainfall rates were greater than two inches per hour at times. For the day, 3.94 inches of rain fell at the Akron-Canton Airport in Green Township. With the ground still saturated from flooding the previous week, streams and creeks in the county quickly rose and flooded many areas. The flooding was most severe in Green Township where at least six families had to be evacuated from their homes. Many other homes in the Township were damaged by flooding and several roads were either washed out or had to be closed.

Trumbull County South Portion

27	1917EST 2230EST				0	0	6M		Flash Flood
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Thunderstorms dumped two to three inches of rain on southern Trumbull County during the evening hours. Rainfall rates of nearly two inches per hour were reported. With the ground still saturated from flooding the previous week, small streams and creeks in the county quickly rose and flooded many areas. Communities in the southern portion of the county were again the hardest hit. Mud Run Creek left its banks in Hubbard and flooded areas along Main Street and on the north side of town. The creek washed out a bridge on Bell Wick Road near Mount Everett Road. The creek rose several feet in less than 30 minutes and heavily damaged over 30 homes and businesses. Many other buildings sustained minor damage. Several children had to be rescued from flood waters in a park and numerous people had to be evacuated from their homes. Widespread flooding also occurred in Brookfield Township with water in some locations as much as four feet deep. Liberty Township was again hard hit with between 50 and 60 homes flooded. Water on roadways was as much as three feet deep and the residents of a nursing home had to be evacuated. Around 10 people had to be rescued from stranded vehicles in the township. Damage to roads in Liberty Township was around \$1.5 million. McDonald and Girard just to the west also experienced terrible flooding. Dozens of homes were flooded forcing the evacuation of many people. Basements in at least six homes in Girard collapsed. Over two inches of rain fell in the Newton Falls area flooding many roads. Total damage to roads in Trumbull County from July 21st to July 27th topped \$5 million.

Mahoning County Countywide

27	1920EST 2300EST				0	0	8M		Flash Flood
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Thunderstorms dumped up to three inches of rain on Mahoning County. Rainfall rates of nearly two inches per hour were reported. With the ground still saturated from flooding the previous week, small streams and creeks in the county quickly rose and flooded many areas. The north and east sides of Youngstown were among the hardest hit areas in the county. Extensive urban and lowland flooding occurred in these areas. Around 9 p.m. a fire truck responding to a fire on Andrews Avenue on the east side of Youngstown was washed off the road by flood waters up to two feet deep. 17 buildings on the Youngstown State University campus were damaged by flooding. Severe flooding also occurred in Campbell, Struthers and Boardman. Many homes and business in these communities were damaged by flooding. Dozens of cars were stranded in the county. Total damage to roads in the county from July 21st to July 27th topped \$3 million.

Portage County Countywide

27	1935EST 2230EST				0	0	500K		Flash Flood
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Thunderstorms dumped one to two inches of rain on Portage County during the evening hours. With the ground still saturated from flooding the previous week, rapid rises in streams and creeks occurred. Many roads were flooded and at least two dozen homes sustained minor flood damage. Several vehicles were stranded in flood waters up to two feet deep. In the Charlestown area, a vehicle was swept off of a flooded road. The occupant swam to a tree and was later rescued.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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OHIO, North

OHZ032

Stark

27 1900EST
28 1600EST

0 0

Flood

Thunderstorms dumped two to four inches of rain on most of Stark County. A maximum of 4.50 inches of rain was measured at Louisville with 4.00 inches at both Massillon and in Lake Township. 3.5 inches of rain was measured at the Canton Water Plant. Significant flash flooding occurred along the east and west branches of Nimishillen Creek. The creek left its banks during the evening hours after rising six feet in two hours and crested at an all time high of 14.07 feet at North Industry at 6:35 a.m. on the 28th. The creek went back below flood stage during the late afternoon hours of the 28th. Communities located along the river including North Canton, Canton and Louisville were devastated by flooding. The previous highest crest was 11.3 feet on January 22, 1959. Record keeping began at North Industry in 1941.

OHZ033

Mahoning

27 1900EST
28 1800EST

0 0

Flood

Thunderstorms dumped up to three inches of rain on Mahoning County causing the Mahoning River to go into flood for the second time in less than a week. The river went above the flood stage of 10 feet around 8 p.m. on the 27th and crested at 14.45 feet around midnight on the 28th. The river went back below flood stage during the evening of the 28th. Industrial areas along the river in Youngstown were again flooded.

Lake County

Painesville to
Concord

31 1602EST
1610EST

0 0

300K

Thunderstorm Wind (EG50)

A thunderstorm downburst downed dozens of trees and damaged several homes. The damage path began near Liberty Street in Painesville and continued east along Prouty Road to near State Route 44 in Concord. A mobile home was crushed by a fallen tree in Concord.

Ashland County

Ashland

31 2100EST
2330EST

0 0

250K

Flash Flood

Thunderstorms dumped two to three inches of rain on the central portion of Ashland County in about 90 minutes. Lowland and urban flooding occurred over the northern half of the city of Ashland. A mobile home park was under as much as two feet of water during the peak of the storm. Many streets had to be closed in Ashland because of flooding. Dozens of homes experienced basement flooding. Several cars were also damaged by flood waters. State Route 302 was closed for several hours to the west of Nankin.

PENNSYLVANIA, Northwest

Crawford County

Countywide

21 1230EST
1530EST

1 0

30M

Flash Flood

Heavy rain began falling during the morning hours and continued into the afternoon. Rainfall rates exceeded two inches per hour during the early afternoon hours. Spotters reported 2.5 inches of rain in Saegertown between 1:00 and 2:30 p.m. and 2.2 inches of rain in Titusville between 2 and 3 p.m. Total rainfall amounts through late afternoon generally ranged from 2 to 4 inches in Crawford County. Rapid rises of streams and creeks occurred as the ground was already saturated from persistent rains earlier in the month. Devastating flooding occurred in Cochranon, Titusville, Meadville and Saegertown. A bridge just outside of Cochranon on State Route 285 washed out around 2 p.m. Three cars were swept off of the bridge and into French Creek. One person drowned, but emergency personnel were able to rescue the occupants of the other vehicles. Dozens of homes and businesses were damaged in Cochranon and many people were evacuated. In Titusville, Church Run a tributary of Oil Creek left its bank. Residents on North Franklin and West Mount Vernon Streets were evacuated from their homes. Dozens of homes and businesses were damaged in the town. Widespread street and lowland flooding occurred elsewhere in the county with water in some areas up to 5 feet deep. Many roads and culverts were washed out and over 50 people were rescued from their homes and vehicles. M?VE



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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PENNSYLVANIA, Northwest

Erie County

Mill Vlg

21	1230EST 1430EST				0	0	250K		Flash Flood
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Heavy thunderstorm rains fell on the southeastern corner of Erie County during the afternoon hours. One to three inches of rain fell on soil already saturated from persistent rains earlier in the month. Runoff from the heavy rains caused French Creek to leave its banks and flood much of Mill Village, a small town south of Waterford. One to two feet of water was reported on many streets in the village. Several homes and vehicles were damaged.

Crawford County

Countywide

21	1330EST				0	0	100K		Thunderstorm Wind (EG50)
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Thunderstorm winds downed many trees and large limbs across the county.

Crawford County

Countywide

21	2000EST				0	0	10M		Flash Flood
22	0130EST								

A second round of heavy rain fell on Crawford County during the evening hours. Rainfall rates well in excess of an inch per hour combined with soil saturated from the earlier rains led to a second round of flash flooding. More roads and culverts were washed out, especially across the southern half of county. Evacuations initiated during the afternoon storms continued through the evening hours. Hundreds of people were displaced from their homes. Rainfall totals for the day were generally four to six inches. 4.07 inches of rain was measured at the Meadville Airport with 4.90 inches at Linesville and around 4 inches at both Saegertown and Cambridge Springs. Bucket surveys in the Cochran area indicated that at least 5 to 6 inches of rain fell during the day. Several hundred homes and businesses were damaged or destroyed by flooding and damage to roads was extensive.

Erie County

Countywide

22	1345EST 1630EST				0	0	250K		Flash Flood
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Thunderstorms moved across Erie County and produced one to two inches of rain in a very short period of time. This rain combined with saturated ground from rains the previous day led to widespread lowland and urban flooding. French Creek left its banks near Mill Village and flooded a neighborhood. Residents of eight homes were evacuated about 5 p.m. Hundreds of homes across the county experienced minor flooding and several roads were washed out in the southern portion of the county.

Crawford County

Countywide

22	1500EST 1830EST				0	0	250K		Flash Flood
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Thunderstorms moved across Crawford County and produced one to two inches of rain in a very short period of time. This rain combined with saturated ground from rains the previous day led to another round of flooding across the county. Streams and creeks near bankful or already in flood rapidly rose during the late afternoon hours. As a result, many homes and roads were once again flooded.

PAZ003

Crawford

23	1300EST 2300EST				0	0			Flood
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Thunderstorms moved across Crawford County and dumped one to locally two inches of rain on already saturated ground. Widespread urban and lowland flooding continued across the county. Many streams and small creeks remained in flood and around a dozen roads had to be closed. Basement flooding damaged dozens of homes.

Erie County

Countywide

31	1730EST 2000EST				0	0	400K		Flash Flood
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Thunderstorms dumped one to three inches of rain on northern Erie County during the late afternoon and evening hours. 1.75 inches of rainfall was measured in Lawrence Park by 6 p.m. with a storm total of 2.06 inches. 2.10 inches of rain was measured at



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

PENNSYLVANIA, Northwest

Northeast. Urban and lowland flooding occurred across the northern half of the county. Many roads and streets had to be closed. A road in Mill Creek was washed out just after 6:30 p.m. Nearby, a mudslide at a construction site damaged a few homes. Dozens of homes in the county experienced basement flooding.